

WHAT IS CLAIMED IS:

1. A cellular mobile phone which is driven by a battery, the phone comprising:
a control unit for calculating available time for the cellular mobile phone while
updating, when necessary, data that indicates remaining capacity of the battery in terms of
5 the terminal voltage of the battery and
a display unit for displaying thereon the calculated available time.
2. The cellular mobile phone of Claim 1, further comprising:
a temperature detection unit for detecting temperature near the battery,
10 wherein the control unit also functions to correct the data that indicates the
remaining capacity in accordance with the detected temperature.
3. The cellular mobile phone of Claim 1, wherein the control unit also has the
function of calculating the available time for the cellular mobile phone based on the
15 magnitude of the battery's current which is required in accordance with a radio-wave
receiving condition in the cellular mobile phone.
4. A semiconductor integrated circuit for a cellular mobile phone which is driven
by a battery, the circuit comprising:
20 a control unit for calculating available time for the cellular mobile phone while
updating, as necessary, data which indicates remaining capacity of the battery in terms of
the terminal voltage of the battery and
means for having the calculated available time displayed.
- 25 5. A cellular mobile phone which is driven by a battery, the phone comprising:

a control unit for measuring the terminal voltage and current of the battery,

a transmit/receive unit for providing an external device with notification of the measured terminal voltage and current, and receiving notification of available time for the cellular mobile phone, wherein the external device has calculated the available time while
5 updating, when necessary, data which indicates remaining capacity of the battery in terms of the terminal voltage of the battery, and

a display unit for displaying thereon the notified available time.

6. The cellular mobile phone of Claim 5, further comprising:

10 a temperature detection unit for detecting temperature near the battery,

wherein the transmit/receive unit also functions to notify the external device of the detected temperature so that the data that indicates the remaining capacity is corrected by the external device in accordance with the detected temperature.

15 7. The cellular mobile phone of Claim 5, wherein the transmit/receive unit also functions to notify the external device of a radio-wave receiving condition in the cellular mobile phone so that the available time for the cellular mobile phone is calculated by the external device based on the magnitude of the battery's current which is required in accordance with the radio-wave receiving condition in the cellular mobile phone.

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8. A semiconductor integrated circuit for a cellular mobile phone which is driven by a battery, the circuit comprising:

a control unit for measuring the terminal voltage and current of the battery,

a transmit/receive unit for providing an external device with notification of the
25 measured terminal voltage and current, and receiving notification of available time for the

cellular mobile phone, wherein the external device has calculated the available time while updating, when necessary, data which indicates remaining capacity of the battery in terms of the terminal voltage of the battery, and

means for having the notified available time displayed.

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9. A cellular mobile phone which is driven by a battery, the phone comprising a control unit for exercising control in order to reduce, in accordance with the magnitude of remaining available capacity of the battery, the number of times a process for making a backup of user data is performed.

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10. The cellular mobile phone of Claim 9, wherein the control unit functions to delay the backup process if the remaining available capacity of the battery is sufficiently larger than necessary capacity for the backup process.

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11. The cellular mobile phone of Claim 9, wherein the phone is structured in such a manner that a memory in which the backup of the user data is stored may be selected from among an internal memory of the cellular mobile phone, a home memory for managing subscriber information, and an external memory other than the home memory.

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12. The cellular mobile phone of Claim 9, wherein the control unit also functions to find and delete unnecessary data in the user data if remaining capacity of a memory in which the backup of the user data is to be stored is insufficient.

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13. A semiconductor integrated circuit for a cellular mobile phone which is driven by a battery, the circuit comprising a control unit for exercising control in order to reduce,

in accordance with the magnitude of remaining available capacity of the battery, the number of times a process for making a backup of user data is performed.